

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU03/01083

| A. CLASSIFICATION OF SUBJECT MATTER | | | | | | | | | | | | |
|--|--|--|--|---|---|--|---|--|--|---|--|--|
| Int. Cl. ⁷ : F28F 25/10 | | | | | | | | | | | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | | | | | | | | | | | |
| B. FIELDS SEARCHED | | | | | | | | | | | | |
| Minimum documentation searched (classification system followed by classification symbols) IPC F28F 25/10 | | | | | | | | | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | | | | | | | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Derwent DWPI: F28D 1/-, F28C 1/-, F28F 25/10 with keywords IMPELLOR, IMPELLER, FAN, FANS, DRAFT, DRAUGHT, NATURAL | | | | | | | | | | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | | | | | | | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | | | | | | | | | | |
| X,Y | DD 298706 A5 (KERNKRAFTWERKE BRUNO LEUSCHNER) 5 March 1992 See whole document | 1-23 | | | | | | | | | | |
| Y | GB 1455544 A (HAMON-SOBELCO, S.A.) 10 November 1976 See claims, FIG. 2 | 1-23 | | | | | | | | | | |
| Y | US 4690207 A (TRAGE et al) 1 September 1987 See abstract, figure | 1-23 | | | | | | | | | | |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex | | | | | | | | | | | | |
| <p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table> | | | "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family | "P" document published prior to the international filing date but later than the priority date claimed | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | | | | | | | | | | | |
| "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | | | | | | | | | | | |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | | | | | | | | | | | |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family | | | | | | | | | | | |
| "P" document published prior to the international filing date but later than the priority date claimed | | | | | | | | | | | | |
| Date of the actual completion of the international search 26 September 2003 | | Date of mailing of the international search report 02 OCT 2003 | | | | | | | | | | |
| Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929 | | Authorized officer MATTHEW FRANCIS Telephone No : (02) 6283 2424 | | | | | | | | | | |

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/01083

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|------------------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | US 3903212 A (LEFEVRE) 2 September 1975 See whole document | |
| A | WO 02/21062 A1 (KPE LLC) 14 March 2002 See whole document | |

INTERNATIONAL SEARCH REPORT

information on patent family members

International application No.

PCT/AU03/01083

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | | | Patent Family Member | | | |
|--|-----------|------|-----------|----------------------|----------|----|---------|
| DD | 298706 | NONE | | | | | |
| GB | 1455544 | AU | 77709/75 | CH | 592289 | DE | 2504223 |
| | | FR | 2260766 | JP | 50110142 | ZA | 7500653 |
| US | 4690207 | AU | 49840/85 | DE | 3441514 | ZA | 8508652 |
| US | 3903212 | AU | 69570/74 | CA | 1024884 | DE | 2430475 |
| | | FR | 2237153 | JP | 50033534 | | |
| WO | 200221062 | AU | 200152473 | | | | |
| END OF ANNEX | | | | | | | |